

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON 7, ALBERTA

MARCH 26, 1970

Student housing

The housing situation for students attending The University of Alberta is critical now and is getting worse every year. Enrolments have been rising at a rate of some 2,000 students annually, and, conversely, the quantity of housing proximate to the campus has been decreasing with the expropriation and demolition in North Garneau during the past three years.

In an effort to keep up with the problem, three student housing projects are in planning stages now: Michener Park II for married students, Students' Union housing, and graduate student housing, the two latter to be operated by the student associations concerned.

Michener Park II

Married student enrolment at the University amounts to between three and four thousand and it is increasing yearly. Michener Park I, opened in 1967-68, provides 299 dwellings, and the waiting list is rarely much less than that.

Michener Park II, an expansion of the existing development on the south end of the University farm, and bordering on 122 Street and 51 Avenue, will add 729 units. Construction is planned in two stages in the event that funds are not available for the total project; stage 1 will add 408 units, and the second stage another 321. The detailed proposal has been approved by the Board of Governors Building Committee.

Each stage will contain high rise apartments, through and back-to-back row housing, and parking, recreational, and play facilities.

Stage 1 will consist of two 21 storey apartment towers containing 160 one-bedroom apartments and 160 two-bedroom apartments, plus 72 two-bedroom and 16 three-bedroom low rise units. Stage 2 will add a third high rise apartment building similar to those in stage 1, with 160 one-bedroom apartments, plus two storey through and back-to-back housing as in the first stage, providing 105 two-bedroom and 56 three-bedroom units.



Michener Park II ultimately will have three twenty-one storey apartment towers like this one, offering 320 one-bedroom and 160 two-bedroom apartments. Exterior design of the towers will be compatible with Vanier House (background) in the existing development. Prime consultant for the high rises is JOHN A. MAC DONALD.



Michener Park II will provide more reasonably priced apartment accommodation for married students without children than did Michener Park I. Above, a typical one-bedroom apartment in a high rise tower.



Two-bedroom units in the apartment towers are intended partly for childless married students who wish larger accommodation and partly as an alternative to row housing. A typical two-bedroom apartment is shown above.



Low-rise dwellings, such as those shown above, whether through housing or back-to-back housing, are perhaps more suitable for married students with children. Michener Park II will provide 100 two-bedroom and 37 three-bedroom through houses, and 77

two-bedroom and 35 three-bedroom back-to-back houses. All units will be two storeys in height and built according to Central Mortgage and Housing Corporation standards. Prime consultants for the low-rise housing are Dennis and Freda O'Connor and Maltby.

At right, examples of the two types of low-rise housing planned for Michener Park II. The first two drawings show a floor plan and a section of typical through housing, and the second two are the same views of back-to-back housing. Through houses will have both front and rear entrances, while back-to-back units will have only a front entrance. Area of each of the two types is similar, however.

In the centre of the development there will be a five acre park with a playground, sandpits, tennis courts, a skating rink, flag football pitches, and small toboggan hills.

Parking will be provided for tenants and visitors in two storey structures adjacent to the high rises and on grade near the lower units.

Dennis and Freda O'Connor and Maltby are the project planners for Michener Park II as a whole and consultants for the through and back-to-back housing. John A. MacDonald is consultant for the high rise apartment buildings and for parking. The project has been designed to be aesthetically compatible with Michener Park I.

Approval has been given to proceed with working drawings for stage 1, but there is no estimated tendering date because of the present shortage of mortgage funds. Construction will begin as soon as possible after money becomes available.

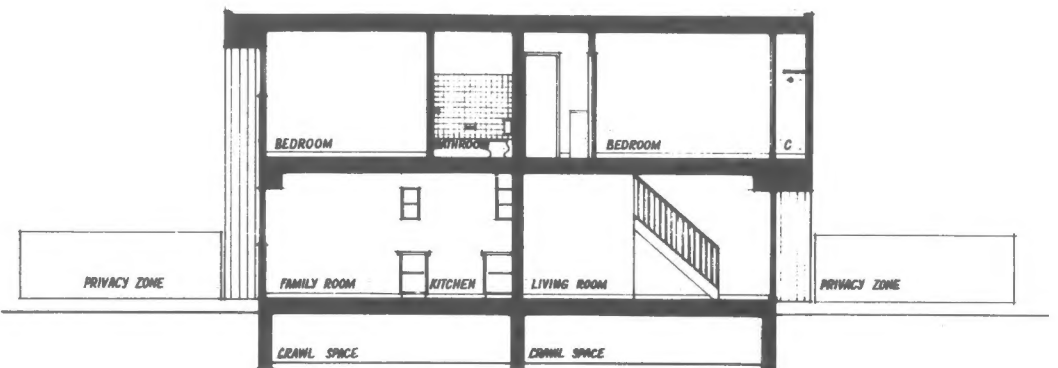
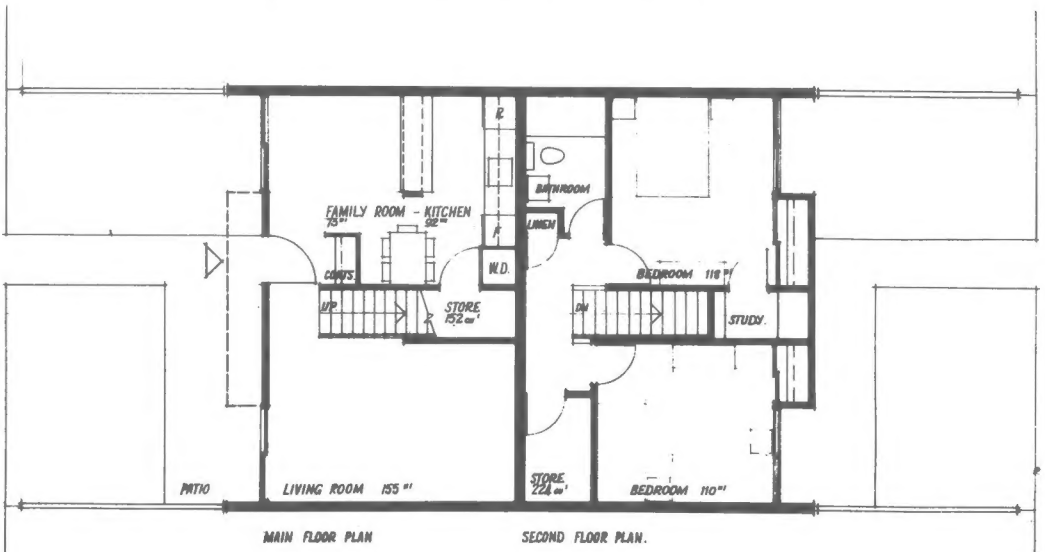
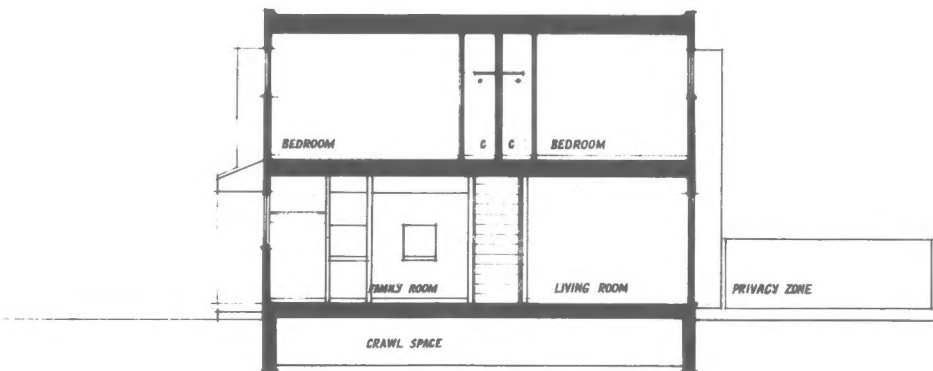
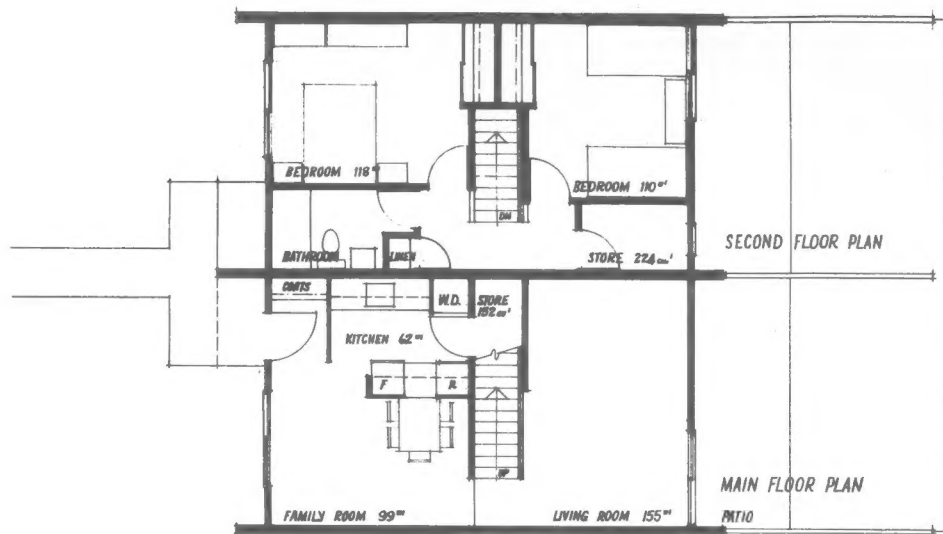
Students' Union housing

In an endeavor to answer the desperate need for adequate housing facilities reasonably priced and near to the University, the Students' Union is planning a unique housing development on campus.

Basically, the Students' Union housing facility will accommodate some 1,000 students in two-bedroom, four-bedroom, and bachelor apartments arranged on either side of an enclosed pedestrian mall, extending from 89 Avenue north along 112 Street. In the future a similar housing facility may extend west along 89 Avenue.

The planned rent per student per month will be \$40 in four-bedroom apartments, \$60 in two-bedroom apartments, and \$80 in bachelor apartments (conceivably two persons could share a bachelor apartment at a cost of \$40 apiece, but they would have to be very close friends). Each apartment will have kitchen and bathroom facilities, but not loose furnishings, which will have to be supplied by the occupants themselves.

The covered pedestrian mall will be on the second level of the building (the ground





Michener Park II, stage 1, includes the section along 122 Street (plus the two towers) and the park and recreation area. Most of the area along 51 Avenue and the third tower will be added in stage 2. The existing housing at Michener Park is just off the bottom of this map.

level will be a services road) and will serve as a link between the several University buildings in the vicinity, the Fine Arts Building, Library facilities, Humanities Building, Tory Building and so forth. Along the mall there will be shops (such as a grocery store, drug store, laundry, etc.) to supply essentials to the residents, a variety of food services facilities run by private firms, services such as a day care centre, and numerous lounge areas.

The target cost for the project is \$5,000,000. As in the case of married student housing, a tendering date has not been put forth for this project as yet, but it has been given first priority by the University's Housing and Food Services Committee.

A. J. DIAMOND and BARTON MYERS, planning consultants for the University, are, in association with R. L. WILKIN, planners and prime consultants for Students' Union housing.

THE REASONS BEHIND STUDENTS' UNION HOUSING

Students' Union Housing has been very carefully thought through by the Union's Housing Commission, chaired by JIM HUMPHRIES, a graduate student in Chemistry. In January of this year, the commission presented a brief to the Government of

Alberta outlining its housing proposal and requesting a government loan; excerpts of the brief appear below.

Several official and unofficial studies of student housing have been carried out at The University of Alberta, notably in 1967 and 1968. With complete unanimity all such studies have concluded that a severe deficit existed at that time and it must be concluded that the situation only can have worsened, since approximately 500 more out-of-town students have enrolled in the last two years than were present then. Dormitory accommodations at Lister Hall could, on the basis of applications received, be rented twice over without saturating the market and the waiting list for housing in Michener Park is seldom shorter than 250 names.

This deficit in available accommodation has evinced itself in several ways. For instance, the expropriation and demolition of homes in the North Garneau area which removed about 700 ideally located rental spaces has resulted in overcrowding in the remaining houses and a noticeable jump in rental rates. A tour of accommodations in nearby areas offered to students revealed many cases where students were occupying overcrowded, dimly-lit rooms almost carved out of dark basements with inadequate heating, bathroom, and kitchen facilities and possessing the very area of firetraps. It is doubtful

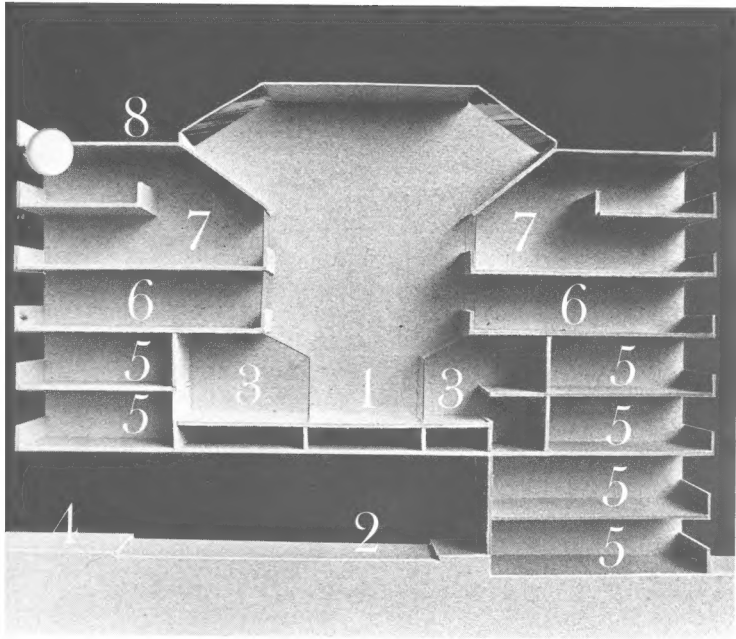
indeed if many we saw meet accepted health standards.

Significantly, rental rates for these accommodations are not correspondingly low but in fact are comparable to the rates expected for the project we offer here.

In one questionnaire on the subject, heating, lighting, and washroom facilities were the features most frequently complained of in off-campus housing. Since all of these have an important bearing on health and well-being, low standards for them cannot be accepted.

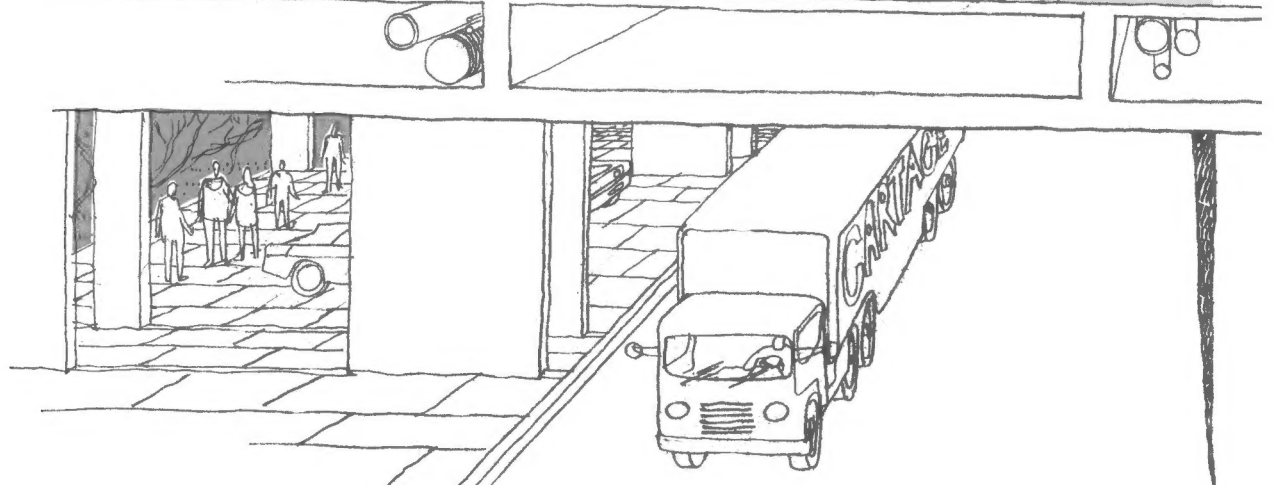
High rental rates and low standards of accommodation are universally accepted as criteria of high demand situations where an inadequate supply of accommodation exists. Another accepted criterion for this situation is that of travel time spent daily between accommodations and campus. In the academic year 1967-68 over 2,000 students from out-of-town were forced to locate beyond a one mile radius, as the crow flies from campus and thus were forced to add considerable travel expenses and lost time to the cost of their education.

At a similarly-situated campus, that of



Students' Union housing will consist of apartments of various sizes arranged along an enclosed pedestrian mall. The mall will contain lounge areas and services and (subject to approval from the Board of Governors) shops and food facilities run by private firms. The photograph shows a cross section of the housing development, and the sketch below the pedestrian mall in greater detail.

- | | |
|--|-------------------------|
| 1 Enclosed pedestrian mall | 5 Bachelor apartment |
| 2 112 Street (vehicle traffic) | 6 Two-person apartment |
| 3 Shops, student lounges, public areas | 7 Four-person apartment |
| 4 Open collonade along adjacent green space on west side | 8 Roof deck |



the University of Toronto, where student residence space is also recognized as inadequate, there exist 2,900 bed spaces for 6,700 out-of-town students. If The University of Alberta were to meet even that admittedly inadequate level, it would require construction of 2,000 bed spaces by 1972. Both campuses, although ideally located, long ago reached the saturation point in terms of reasonably priced and located dwelling spaces and action must be taken to alleviate the situation.

It would be foolish to ignore the implications of the present monetary situation in Canada. In times of tight money common sense requires that everyone reconsider their

priorities for expenditures and attempt to maximize the value obtained for the dollar spent.

In the light of the above the Students' Union Housing Commission in the development of this proposal cited economy as a major priority and to this end took advantage of the happy coincidence that the apartment-type accommodation preferred by two thirds of the students enabled great savings to be made. These savings do not arise through the use of barely adequate materials for which a high maintenance cost would be paid but instead arise because of much lowered space requirements when compared to

more conventional dormitory accommodations. In addition no expensive underutilized dining hall is required and further savings are achieved by the use of relatively low-rise construction and, considering the generally good health and strength of the young people for whom the building is designed, by the elimination of elevators. Other substantial savings are made by the use of simplified structural elements and materials. The building as proposed complies with all applicable fire, health, and building codes to CMHC standards.

The resulting cost per bed will make this proposed facility the most economical

residence in Canada in terms of cost performance.

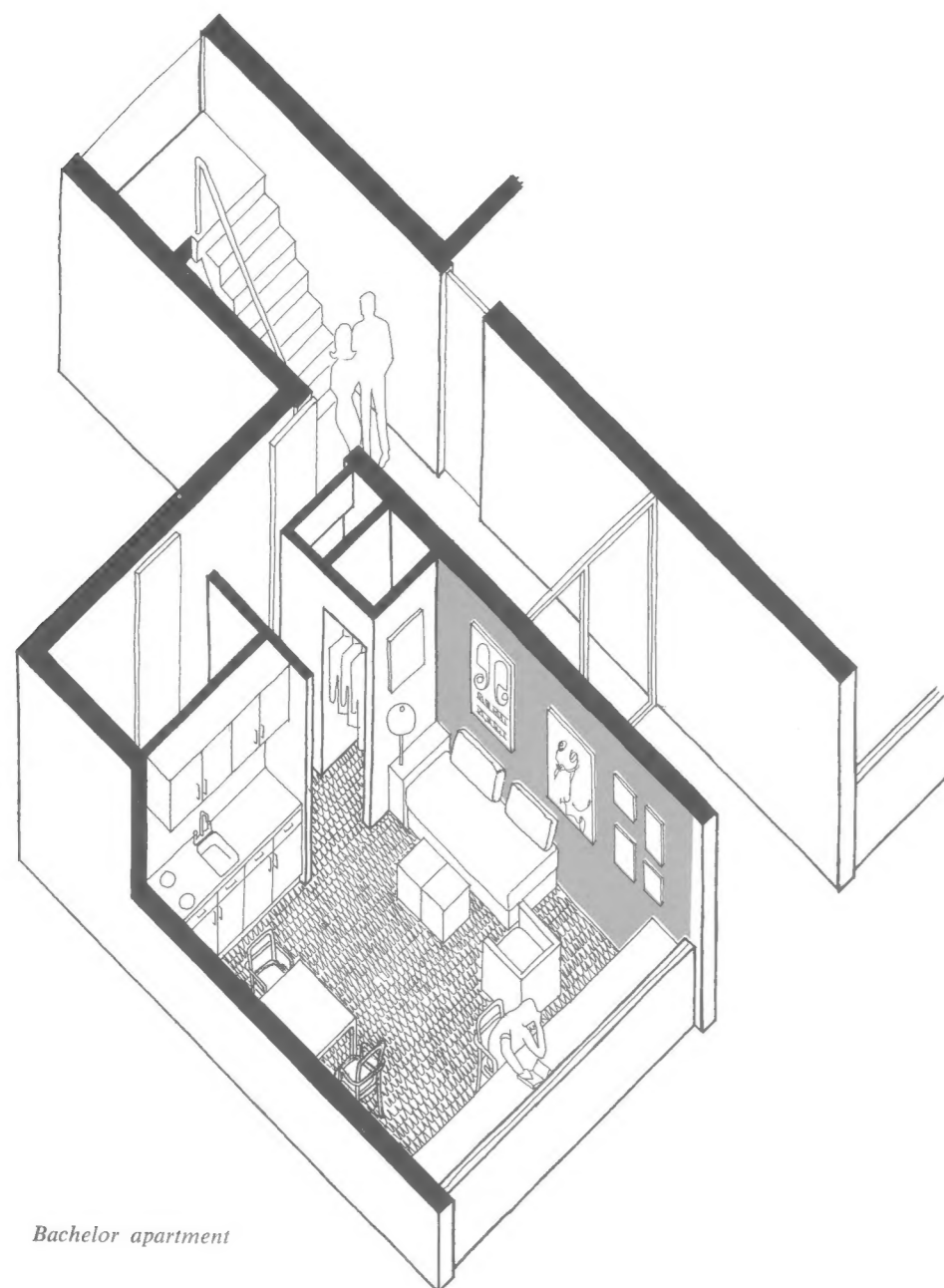
If CMHC were to use our cost as a standard then the amount budgeted this year for student housing would be sufficient for 8,200 residence spaces instead of the 6,500 they envisage, a gain of 26 per cent. In addition, in this proposal, facilities which until now have been provided through capital-grant construction such as lunch areas for commuter students and staff, will be provided by private enterprise and the resulting capital and maintenance costs will be amortized and paid for by means of leaseholder rents and improvements. Thus, the

interior design and construction costs of a suitable food service will be paid for by a leaseholder who, in addition, will subsidize caretaking and ancillary facilities by means of an economic commercial rate rental fee. Other similar facilities will be provided in the same manner. Significant interest has already been shown by prospective tenants of unquestionable ability and business acumen to convince us of the viability of this portion of the proposal.

Graduate student housing

The housing project being planned by the Graduate Students' Association is still in preliminary stages and detailed information is not available at this time.

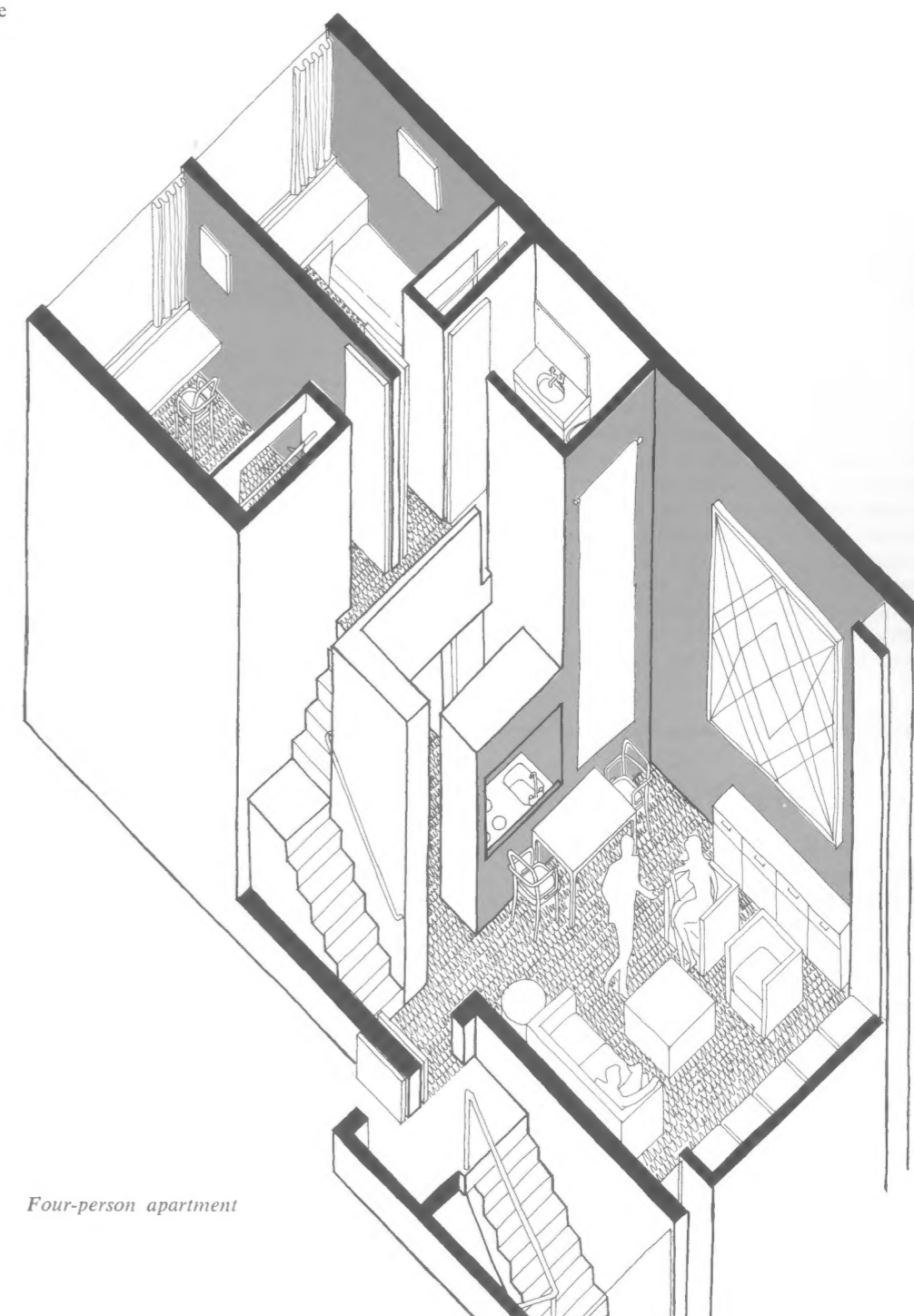
This housing facility will be built on and to the west of the site of the old residences. Originally it had been proposed to tie the new housing in with Athabasca, Assiniboia, and Pembina Halls, but this proved



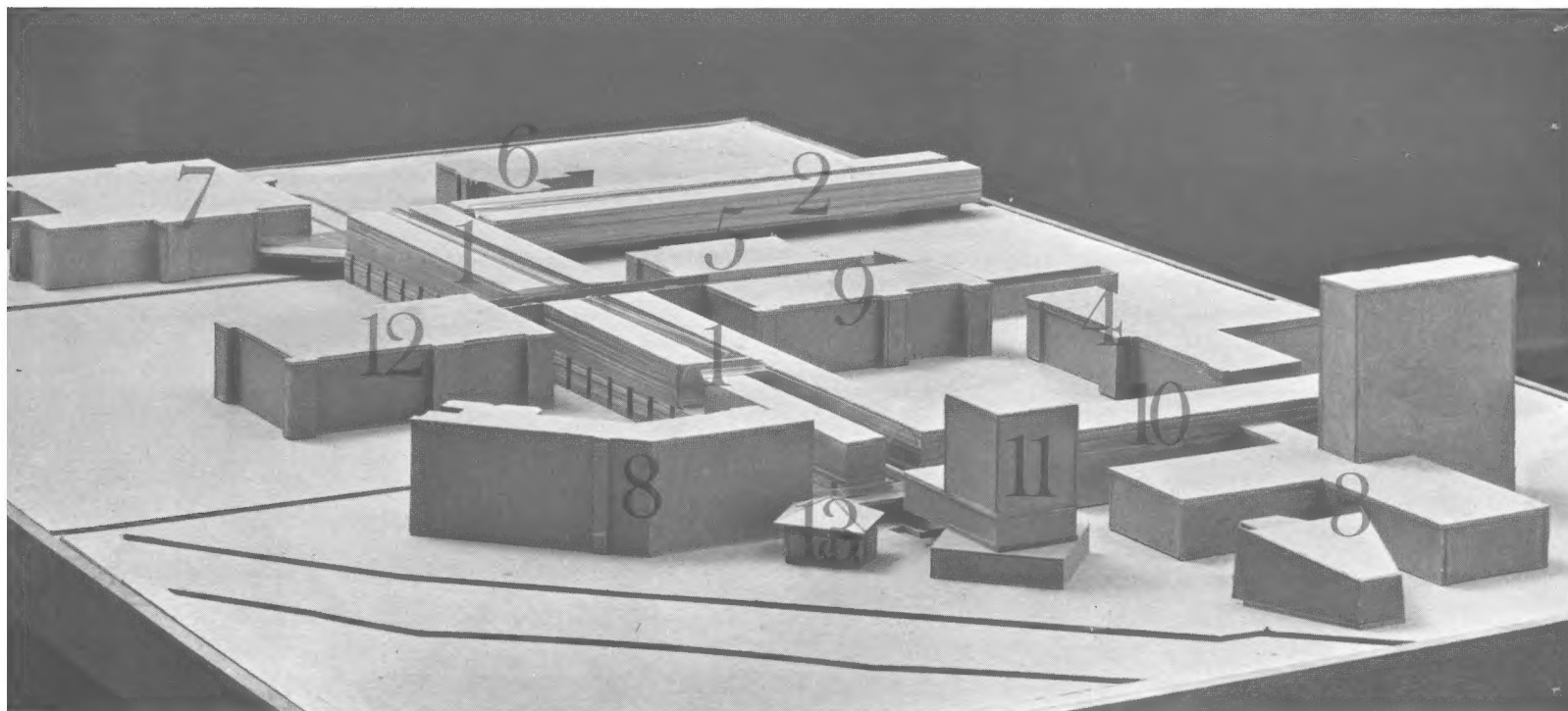
Bachelor apartment



Two-person apartment



Four-person apartment



infeasible, and the residences are slated for demolition.

The new facilities will accommodate some 600 graduate students in single rooms (with access to free kitchen facilities), bachelor apartments, and one- and two-bedroom apartments. The project is intended to serve as a centre for all graduate students on campus, both Canadian and foreign, providing reading, music, and television rooms and a snack bar.

Prime consultant for the project is PETER HEMINGWAY of Hemingway and Laubenthal.

The Students' Union housing project will provide a covered pedestrian mall to link the major University buildings in the area. The housing now being planned will extend north along 112 Street from 89 Avenue; a future expansion may run west on 89 Avenue toward the Medical Sciences Building. This photograph (from the northeast) shows the Students' Union housing in relation to buildings both existing and proposed.

- | | |
|--|---|
| 1 Students' Union housing (construction 1970) | 7 Fine Arts (construction 1970) |
| 2 Students' Union housing (future development) | 8 Humanities (construction 1970) |
| 3 Henry Marshall Tory Building | 9 North Garneau Library (construction 1971) |
| 4 Arts Building | 10 Business Administration and Commerce (construction 1971) |
| 5 Rutherford Library | 11 Food Services (proposed) |
| 6 St. Stephen's College | 12 Library (proposed) |
| | 13 Rutherford House |

Recent developments in Animal Services

In 1956, CHARLES HEATH of The University of Alberta's Pharmacology Department was forming a plan to alleviate the sorry condition of animals used in medical research. Housed in one large room in the basement of the McEachern Research Laboratory, they previously had been held in a wooden lean-to structure at the rear of the Medical Sciences Building. These random, unsatisfactory accommodations were replaced when a new wing was added to the building and space was made for the animals on the roof of this extension.

In consultation with the Dean of Medicine and the Department of Surgery,

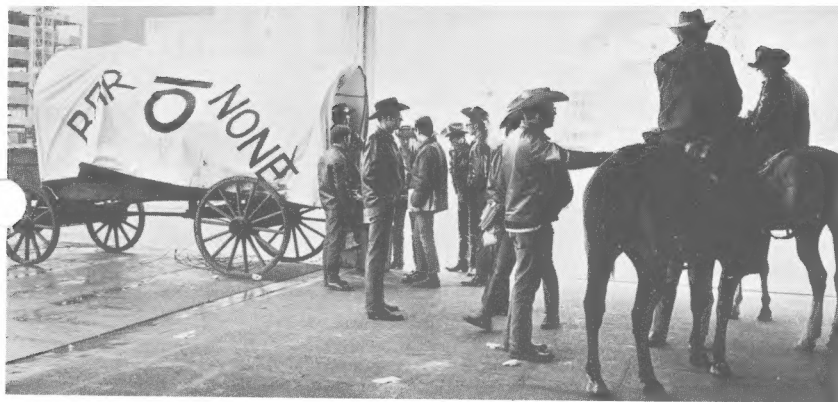
Dr. Heath was asked to expand the facilities to cover the requirements of the Medical Faculty. This project was completed in early 1958 and, for a time, alleviated the problem, though by September that same year, there was no longer sufficient space for small animals, or for storage and preparation of food. In December, 1959, Dr. Heath met again with the Medical Faculty and together they reviewed his plans for an animal house.

At this meeting, a Vivarium Committee was formed and in the spring of 1961, D. C. SECOND arrived to direct the new facility. It was not long before Dr. Second realized that these new quarters were

inadequate because "the space [was] of a type not suitable to meet all the present requirements."

Plans for an extension off the campus crystallized during the fall of 1962 and in February, 1963, a special meeting of the Vivarium Committee was called at the request of the University Planning Department to consider the needs of faculties other than Medicine, and it was attended by representatives from Animal Science, Zoology and Psychology. A number of proposals came from the meeting, the most important of which stated that the Ellerslie farm was the most likely site to build the additional facilities.

Negotiations for the Ellerslie extension



Amidst divers whoops, clatters, fiddles, and square dancers, Bar None, the last social event of the season, was underway last Friday. Here some of its sponsoring Agriculture students and friends rustle pancakes outside SUB.

continued through 1963, until January, 1964 when the Vivarium Committee issued a resume of facts outlining the needs for a Vivarium extension. It was emphasized that space for more than 250 dogs was needed and at least 29 small rooms were required for small animal care.

Even during construction of the extension in 1965, both Dr. Secord and Dr. Heath pointed out the need to begin planning for further expansion. In a prepared estimate of laboratory animal requirements, over a half million dollar expenditure was predicted to be necessary by 1970.

The Ellerslie Vivarium was opened in the spring of 1966.

On June 30, 1966, a President's Committee, chaired by Dr. Heath and entitled the Animal Welfare Committee, was set up. At its inaugural meeting, questions related to the present and future state of the care and use of research animals were discussed, as well as the expansion of off-campus facilities. But more important, the serious problem regarding the use of land at Ellerslie was brought to light.

Originally the land had been obtained by the Faculty of Agriculture in anticipation of their own requirements. It was pointed out that an additional ten to twenty-five acres might alleviate one need but never two. Increased demand had resulted in insufficient space once again. Dr. Secord wrote to the Committee stating that, unless extra space was acquired for animal housing by the following spring, the Vivarium would not be able to meet requirements for teaching and research purposes by 1967. When the Welfare Committee met in September, they recommended the construction of an addition to the Ellerslie Vivarium. But because of a number of previous commitments, funds were not immediately available, the matter was dropped, and the shortage of animal space became critical.

In the fall of 1967, a report from the specially established Animal Facilities Committee was submitted to General Faculty Council and in 1968 the recommendations it had set down were approved. Effective September 1, 1968, Dr. Heath became Director, Laboratory Animal Services, and in 1969, budgetary arrangements were organized and the needed farm land was allocated. The approval provided \$500,000 for a rodent breeding

colony; an aviary for the study of bird behavior; an extension to both the Health Sciences and the Bio-Sciences wing; a receiving storage area; and houses for two caretakers.

Laboratory Animal Services at The University of Alberta are far advanced over similar facilities at any other university in Canada, or, for that matter, in North America, in the development and concept of an integrated animal service.

Its primary function is to obtain and look after animals necessary to research projects. In just one month of operation, LAS kept close to fifty thousand individual animals of over thirty different species. The animals most frequently called for are coyotes, parakeets, grouse, quail, rabbits, pica, chinchillas, weazels and, most often, mice and rats.

Currently, researchers have begun a program which they hope will lead to the development of disease-free rabbits to be used in medical research.

The developmental program is being conducted by J. J. THOMSEN, Associate Director of LAS and Director of Bioscience Division. An animal science graduate from Washington State, Jim Thomsen is most recently from the Department of Microbiology where he directed the animal facility. He came to The University of Alberta last June and has done extensive research in ovum transfer in rabbits.

The project he has undertaken is being financed by Bio Sciences Resources Incorporated of Ashbury Park, New Jersey. The company is in the process of establishing a breeding farm to provide a commercial supply of experimental animals for research.

"The company has provided Mr. Thomsen with a grant of \$16,500 for developmental research in the breeding and techniques of hand-rearing rabbits in a germ-free environment," Dr. Heath said. "The idea of raising rabbits in a germ-free environment is quite new. It has been attempted in a few centres, but has not been done successfully."

Some researchers have been able to deliver rabbit pups in an uncontaminated environment, but such programs have not been successful over a long period of time. Mr. Thomsen is working on the project in conjunction with Dr. Heath who commented:

"We believe we can develop the techniques

to make such an experimental program successful over the long term."

Bio Sciences Resources approached The University of Alberta for this project for several reasons.

"They knew of our experimental animal program and came to us because we have qualified people. Mr. Thomsen is an expert in the field of experimental work with rabbits and has the knowledge necessary to make this program a success. And we have the necessary facilities and organization to do it," Dr. Heath said.

Mr. Thomsen and his staff have the preliminary stages of the program in laboratory facilities in the new Biological Sciences Building. The major piece of equipment is a germ-free isolator. After the rabbit pups have been taken from the mother by Caesarean section, they are placed in the isolator to be cleaned and fed.

"When the pups are five days old, they will be given controlled bacteria to assist proper physical development of such things as the digestive system and allow us to keep a normal animal," said Mr. Thomsen.

After a three or four week period in which the pups are hand-reared, a small group will be placed in a large germ-free isolator. At five or six months of age the rabbits are bred again.

Research of this nature has obvious applications in medicine.

Dr. Heath, Dr. Secord and Mr. Thomsen can be called true pioneers of science in the work they are conducting with Laboratory Animals. The success of future Medical Research could well depend on the new paths of discovery they choose to follow.

PEOPLE

■ W. H. SWIFT was instrumental in the setting up of the Universities Commission and served as its first Chairman (last week FOLIO gave the honors to ANDREW STEWART, who is retiring this spring.) Now that he is retired, Dr. Swift is channelling his considerable energies into the organization of service clubs throughout Alberta.



■ J. P. BOWLAND, Professor of Animal Science, was in Washington, D.C., on March 17 and 18 to attend a committee considering revisions to the National Academy of Science-National Research Council publication

on nutrient requirements in swine. Dr. Bowland is the Canadian representative on the six-member committee set up to deal with this publication.

■ During March 1 to 4 ERNEST HODGSON, Acting Associate Dean of Graduate Studies, attended the American Educational Research Association convention in Minneapolis to give a symposium paper entitled "The Canadian Provinces: The Politics of Education." The symposium members, professors of political science and educational administration, came from Great Britain, Australia, New Zealand, Israel, Canada, and the United States.

■ GEOFFREY VOSS, Professor of Electrical Engineering, was an invited speaker at the Ninth National Industrial Electrical Heating Conference in Cincinnati, February 16 to 19. He presented the introductory paper in the session on Dielectric Heating in Industry, and was a member of a panel discussing new and developing uses of electronic energy. Two previous lectures have been published by the United States Government Printing Office: "Advances in the Use of Microwave Power," given in the Seminar Program of the United States Bureau of Radiological Health, and "Microwave Control in Design," relating to the safety standards required for electronic processing equipment, given at the 1969 Symposium on Biological Effects and Health Implications of Microwave Radiation.

Dr. Voss is a member of the committees of the Canadian Standards Association and United States of America Standards Institute studying the effects of non-ionizing radiation.

■ T. A. PETERSEN, Associate Professor of Agricultural Economics and Rural Sociology, participated in a joint meeting of the National Farm Management Committee and the Can Farm (National Computerized Farm Data System) Technical Committee at the University of Guelph March 18, 19, and 20.

■ H. C. LOVE, Professor of Agricultural Economics and Rural Sociology, K. W. DOMIER, Chairman of Agricultural Engineering, and A. D. HOWES, Assistant Professor of Animal Science, have been asked by the provincial departments of Lands and Forests and Municipal Affairs, and the Western Stockgrowers' Association, to form an inter disciplinary committee to examine the assessment ration between cropland and grazing land in Alberta.

■ On March 11, C. F. BENTLEY, Professor of Soil Science, was a witness before the House of Commons Subcommittee on International Developmental Assistance. His testimony

concerned population, food, and agriculture in relation to development.

■ LESLIE C. GREEN, University Professor, attended the First National Conference of Teachers of International Law and International Organizations at Canadian Universities (held in Ottawa, February 27 and 28) and delivered a paper on "The Methodology of International Law."

■ R. U. LEMIEUX, Professor of Chemistry, will leave March 29 on a trip to Japan as a guest of the Japanese Chemical Society to present a special lecture on April 3, entitled, "Solvation Effects on the Conformational Equilibria of Carbohydrate Substances." He also will lecture to the 172nd Meeting of the Japan Antibiotic Research Association on the subject, "Synthesis of Kanamycin Analogs." In addition, Professor Lemieux will visit a number of pharmaceutical companies in Japan and the universities of Sendai and Kyoto.

■ FRANK D. JONES, Professor of Law, has been appointed advisor to the House of Commons Finance Committee which is charged with responsibility of studying the White Paper on Tax Reform. There have been over 900 briefs submitted to this Committee and there will be approximately 300 people appearing before it. Hearings are expected to continue until the late summer.

VISITORS

■ R. P. A. SIMS, internationally known lipid chemist and Director of the Food Research Institute, Canada Department of Agriculture, Ottawa, recently visited the Food Science Department and gave a seminar on the research projects being undertaken at the Food Research Institute.

■ JAMES McCORIE, Chairman of the Division of Social Sciences, Regina campus of the University of Saskatchewan, visited the Department of Sociology on March 13. Professor McCorie contributed to the course on Canadian Society and talked about the development of sociology in Saskatchewan. PAUL SWEETZ, editor of the *Monthly Review*, visited the Department on March 16 and 17. A well-known economist and social scientist, Professor Sweetz gave a series of talks on the Marxian Tradition.

CONSTRUCTION REPORT

The March 16 progress report of the Campus Development Office listed fourteen projects under construction now and another sixteen in planning stages.

The completion schedule for the addition

to the Physical Education and Recreation Centre has been moved ahead a month from May to June. The project is 85 per cent complete and work is progressing well, except for painting and ceilings which both are held up because of the process of slowly drying handball and squash courts to avoid cracking of cement plaster.

The contractor for Car Park 1 still has to do corrective work on the concrete slabs to bring them to an acceptable standard, and this work is not expected to be finished until June.

The Central Academic Building is 39 per cent finished and work is progressing on schedule for completion in September. The precast framework of the building is in place and now the general contractors are concentrating on forming the connecting link with the Utilities Services Tunnel.

Pouring is underway for the basement wall of the Basic Medical Sciences Building, and pile driving is expected to be complete this week. Completion schedule for the structure is September, 1971.

The Law Centre is listed as all of 2 per cent complete, with the excavation and pile driving more or less finished and formwork for the walls started. Completion schedule for the Law Centre is May 1, 1971.

The Feed and Bedding storage buildings for Laboratory Animal Services at Eilerslie Farm, begun in February, are proceeding ahead of schedule and should be finished by the end of this month. Other off-campus facilities for Agriculture and Science are barely begun now, but should be finished by September of this year.

Casework is still underway in some areas of the Biological Sciences Building, namely, in the Zoology, Centre, Botany, and Microbiology Wings, and moving in probably will not be completed until much later this spring.

Projects in the planning stages are as listed in the February report.

NOTICES

AASUA MEETING

There will be an emergency meeting of the Association of the Academic Staff on Wednesday, April 8 at 8 p.m. in Room PC-126 of the Physics Building.

FACULTY COUNCIL MEETINGS

The following are the dates and times arranged for the faculty councils to meet to consider examination returns. This information is supplied by A. L. DARLING, Assistant Registrar.

Monday, May 11
9 a.m. School of Library Science

2 p.m. School of Nursing
 2 p.m. School of Rehabilitation Medicine
 Tuesday, May 12
 9 a.m. Faculty of Agriculture
 2 p.m. Faculty of Arts
 2 p.m. Faculty of Business Administration
 and Commerce

Wednesday, May 13
 9 a.m. School of Household Economics
 2 p.m. Faculty of Physical Education
 2 p.m. Faculty of Education

Thursday, May 14
 9 a.m. Faculty of Engineering
 2 p.m. Committee on BSc (MLS)
 2 p.m. Faculty of Pharmacy

Friday, May 15
 2 p.m. Faculty of Law
 2 p.m. Faculty of Science

Tuesday, May 19
 2 p.m. Faculty of Graduate Studies

Wednesday, May 20
 3 p.m. Faculty of Medicine
 4 p.m. Faculty of Dentistry

SUMMER OFFICE HOURS

The Executive Committee of General Faculty Council has approved the adoption of summer working hours for the months of June, July, and August. The hours will be 8 a.m. to 4 p.m., with the lunch hour from 11:30 a.m. to 12:30 p.m. Lunch hours may be staggered to accommodate departmental or individual situations, providing departmental offices are staffed sufficiently for enquiries during these working hours, which are published in the calendars.

COMPANY OF YOUNG CANADIANS SEEKS STAFF

The Company of Young Canadians is recruiting project staff. The duties will be the responsibility for the administration and direction of urban and rural projects that promote social, economic, and community development, under the supervision of the Executive Director. The requirements are university graduation, knowledge and skills in social and economic agencies, ability to relate to others, and bilingualism. Further information is available from the Personnel Office.

MOVE OF THE BOREAL INSTITUTE

The Boreal Institute moved into its new quarters in the Centre Wing of the Biological Sciences Centre on Monday, March 23. The Office of the Director is located in Room 401L; the telephone number is 432-4512. The Library is located in Room 401 and the telephone number is 432-4409. Because of the move, the Library will be closed until Sunday, March 29.

DEPARTMENT OF EXTENSION

The Department of Extension is sponsoring a five-day residential seminar on "Effective Management Through Motivation," to be held at the Banff Centre for Continuing Education from April 27 to May 1. The registration deadline is April 13; further information is available from the Department of Extension.

CORRECTION

In the March 5, 1970, issue of FOLIO, the report on the General Faculty Council meeting contained the following sentence, which was in error:

"These reductions [to the operating budgets of certain departments] would make available \$2,325 per student for increases in staff, supplies, improved fringe benefits, etc."

It should have read "... make available \$2,325,000 for increases. . . ."

PERSONAL NOTICES

Notices must reach the Editor by 9 a.m. the Friday prior to publication. They must be typed, and not exceed 35 words including heading.

FOR RENT—Furnished four-bedroom house in Windsor Park. Particularly equipped for small children. Available from June 1, 1970 to mid-August, 1971. 439-3766, after 5 p.m.

FOR SALE—House in Sherwood Park. Good location. Convenient 2,000 square ft. bi-level open plan, cathedral entrance. 3 bedrooms, large lot, secluded and beautiful garden. Immediate occupancy. Under \$30,000. 6 per cent mortgage. 699-5135, or 432-5373.

FOR SALE—1968 camper with 4 single berths. 18,000 miles only. Austin Dormobile. Kitchen unit, cupboards, elevating roof. \$2,700. Professor returning to England. 439-0487.

FOR RENT—Three-bedroom furnished house opposite Belgravia Park. Available from May 20 to August 20. \$250 per month. 433-4814.

WANTED TO RENT—Four-bedroom house for 2 years from July 1. 432-4578, or 439-1054.

FOR RENT—Furnished one-bedroom apartment in University area high-rise. Available from May 15 to the end of August. 433-1090 (evenings).

FOR RENT—Three-bedroom furnished bungalow in Lendrum. Double garage. Close to bus lines. Available from June 17 for 14 months. 434-4835, or 432-3669.

WANTED TO RENT—Furnished four-bedroom house, in November for 12 months or more. Preferably in Avalon High School area. 432-5363, or 434-4406.

FOR RENT—2,100 square ft. partially furnished four-bedroom home. Available from August 1, 1970 to August 31, 1971. One year lease. \$275 per month. 599-6225.

FOR SALE—Good condition furniture and appliances. Settee and chair, double bed, kitchen table and chairs, chests, radio, television, toaster, lamps, tables, etc 439-6443 (evenings, Tuesdays, weekends), or 432-4141 (office hours).

FOR RENT—Modern three-bedroom bungalow. Walking distance to the University. Basement occupied, partially furnished, all major appliances. \$225 per month, including utilities. Available from May 1. 432-7729.

FOR RENT—Four-bedroom furnished house with small basement suite. Just across High Level Bridge. \$240 per month. Available from May 1. 482-4091.

FOR RENT—Fully furnished and equipped one-bedroom apartment in Garneau Towers. \$145 per month (or nearest offer). Available from May 15 to August 31. 432-8174.

POSITIONS VACANT

Applicants are sought for the following positions. The Personnel Office (Room 121, Administration Building) will provide further details to interested persons, who are asked not to approach the departments directly.

File Clerk (\$243-\$295)—Office of the Registrar
 Clerk-Typist I (\$243-\$295)—Graduate Studies;
 Student Health Service
 Clerk-Typist II (\$281-\$342)—Bookstore; Political
 Science; Comptroller's Office; Geology; Surgery
 Clerk-Steno II (\$295-\$359)—Physical Education;
 Student Health Service; Obstetrics and Gynaecology;
 Biomedical Engineering; Theoretical Psychology
 Clerk-Steno III (\$342-\$416)—Purchasing
 Library Clerk I (\$243-\$295)—Extension Library
 Bookkeeper-Typist (\$342-\$416)—Agricultural
 Economics
 Student Record Processing Clerk (\$350-\$450)—
 Registrar's Office
 Personnel Assistant (open)—Personnel
 Administration Assistant (open)—Ophthalmology
 Biochemistry Technician I (\$416-\$481)—Pharmacology
 Electronic Technician I (\$458-\$557)—Physics
 Biology Technologist II (\$505-\$614)—Cancer Research
 Unit
 Biology Technologist I (\$505-\$614)—Genetics
 Chemical Technologist (\$505-\$614)—Chemical and
 Petroleum Engineering
 Bacteriology Technologist I (\$437-\$531)—Provincial
 Lab
 Applications Assistant (\$531-\$645)—Institutional
 Research and Planning
 Programmer II (\$585-\$711)—Systems Planning
 Technical Assistant (\$300-)—Technical Services—
 Electronics
 Technical Assistant—Mechanical (open)—Physical
 Plant
 Technical Assistant—Electrical (open)—Physical
 Plant

FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON 7, ALBERTA

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William Samis, Editor

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EDITORIAL OFFICE: University Publications Office,
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THIS WEEK AND NEXT

27 MARCH, FRIDAY

- University Art Gallery* Until 28 March. Exhibition of Eskimo drawings from Holman Island. Organized by the University Art Gallery and Museum.
- Portrait Exhibition* Until 28 March. University Hall. Exhibition of formal and informal portraits by J. B. TAYLOR, Associate Professor of Art. Portraits of H. E. Smith, T. A. S. Boyd, Mamie Simpson, D. B. Leitch, Ross Vant, and J. M. MacEachran.
- SUB Art Gallery* Until 31 March. Exhibition of work by Bachelor of Fine Arts students.
- Studio Theatre* Every evening, excluding Sunday, until 4 April. 8:30 p.m., Studio Theatre. Corbett Hall. Matinee at 2 p.m. on both Saturdays. *The Cherry Orchard*, by Chekhov. Directed by HENRY COMOR, Visiting Professor of Drama.

30 MARCH, MONDAY

- General Faculty Council Meeting* 2 p.m., Council Chambers, University Hall. Tickets to the gallery must be obtained in advance from D. RAPSON, University Secretariat, University Hall, 432-5430.
- Talent Show* And 31 March, 1, 2, and 3 April. 2 and 7 p.m., Students' Union Theatre. Edmonton Federation of Community Leagues Annual Talent Show.
- Music Lecture-demonstration* 8:30 p.m., Convocation Hall, Arts Building. MURRAY ADASKIN, composer-in-residence at the University of Saskatchewan, Saskatoon campus. Admission is free.

31 MARCH, TUESDAY

- Music Lecture* 10:30 a.m., Convocation Hall, Arts Building. MURRAY ADASKIN, composer-in-residence at the University of Saskatchewan, Saskatoon campus. "The Composer as Teacher." Admission is free.

2 APRIL, THURSDAY

- Library Science Lecture* 8:30 p.m., Room 129, Education Building. FRED HUTCHINGS, Visiting Professor of Library Science. "William Morris and the Kelmscott Press."

5 APRIL, SUNDAY

- Department of Music Concert* 8:30 p.m., Convocation Hall, Arts Building. The Symphonic Wind Ensemble, conducted by JOHN ILTIS, Assistant Professor of Music. Admission is free.
- University Art Gallery* Until 30 April. "Computer as Art." Organized by the Western Association of Art Museums. William Blake's illustrations to the Book of Job. Organized by the British Council in Ottawa.

6 APRIL, MONDAY

- SUB Art Gallery* Until 17 April. Annual Department of Art staff exhibition.

8 APRIL WEDNESDAY

- Chamber Music Society* 8:30 p.m., Convocation Hall, Arts Building. The Alma Trio. Works by Beethoven, Bloch and Schubert.
- AASUA* 8 p.m., Room PC-126, Physics Building. Emergency meeting.
- Alberta Geographical Society* 8:30 p.m., Saskatchewan Room, Faculty Club. GORDON NELSON, Resource Geographer. Assistant Dean of Arts, The University of Calgary. "Are National Parks for People?" Basic considerations in National Parks policy.

10 APRIL, FRIDAY

- Department of Music Concert* 8:30 p.m., Convocation Hall, Arts Building. The St. Cecilia Chamber Orchestra of the Department of Music. MICHAEL BOWIE, Assistant Professor of Music, conductor; BERNARD TURGEON, Assistant Professor of Music, baritone soloist. Admission is free.

12 APRIL, SUNDAY

- Department of Music Concert* 8:30 p.m., Convocation Hall, Arts Building. The University of Alberta String Quartet. THOMAS ROLSTON, violin; LAWRENCE FISHER, violin; MICHAEL BOWIE, viola; CLAUDE KENNESON, violoncello, playing on a matched quartet of instruments made by Henry Stropel of Edmonton. Admission is free.

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred. Compiled by GILLIAN BUTLER, 432-4991.
